

**AMENDMENTS TO THE ABSTRACT**

Please substitute the following paragraph for the abstract now appearing in the currently filed specification:

A stack ~~(12)~~ of a polymer electrolyte fuel cell ~~(10)~~ is immersed, in a stack container case ~~(14)~~, in a liquid coolant ~~(108)~~ such as an organic solvent, and the stack is operated in this state. The stack ~~(12)~~ whose temperature has risen by heat energy produced by the operation is cooled by the liquid coolant ~~(108)~~. The liquid coolant ~~(108)~~ which has cooled the stack ~~(12)~~ vaporizes, and is condensed by a condenser ~~(16)~~. Then, the liquid coolant returns to the stack container case ~~(14)~~.